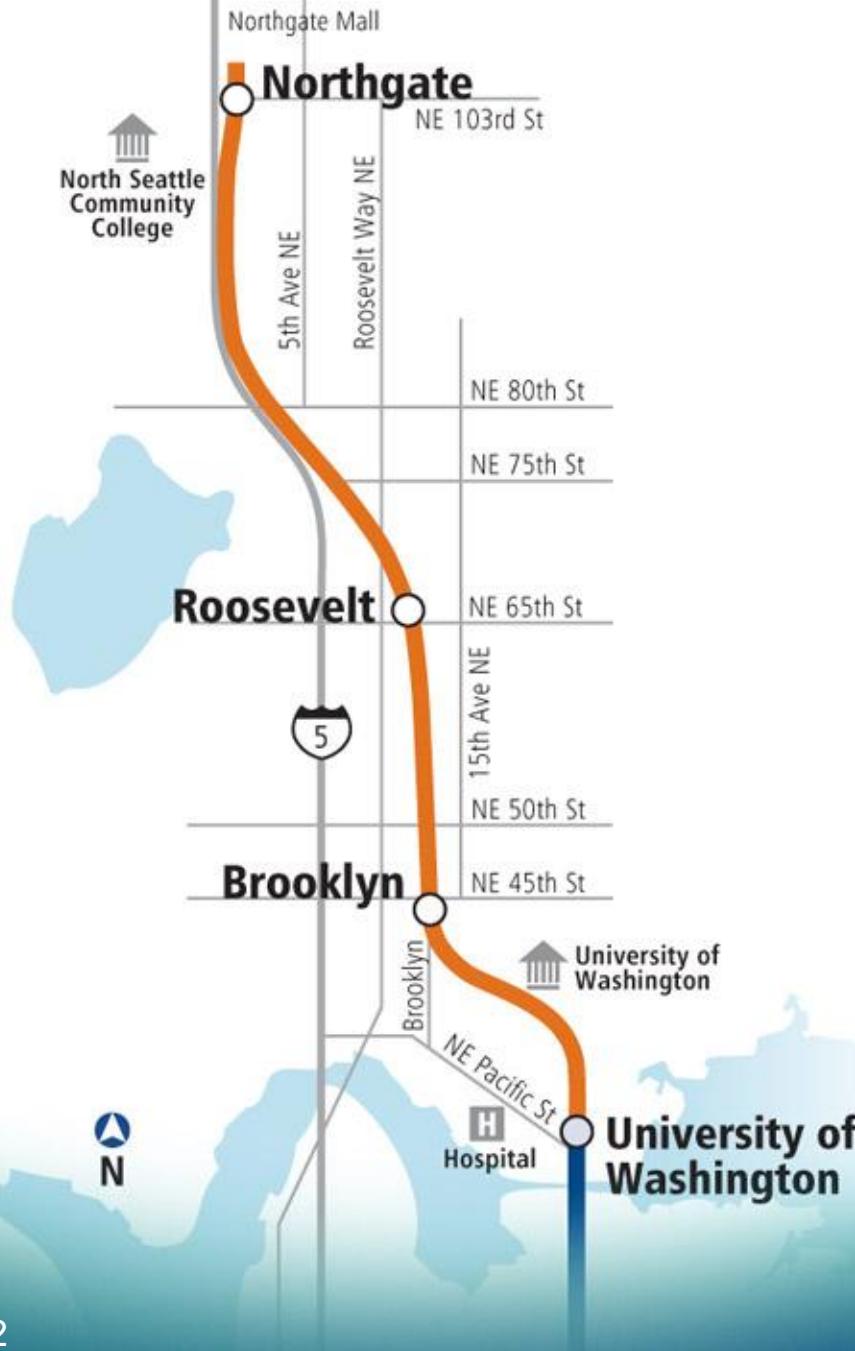


North Link – Northgate Station

30% Design Open House

November 9, 2011





Tonight's Agenda

- 6:00 pm - Open House
- 6:30 pm - Presentation
 - **Welcome/introductions –**
Ron Endlich, North Link Deputy Project Director
 - **North Link and Portal Overview**
– Fred Wilhelm, Project Manager
 - **Northgate Station 30% Design –**
David Hewitt – Hewitt Architects
 - **Next Steps**
 - **Questions and Answers**
- 7:45 pm - Return to Open House
- 8:30 pm - Close



Link Light Rail System

- 16 miles of light rail with 13 stations currently in service
- University Link under construction; opens 2016
- ST2 Plan funded extensions to Overlake, Lynnwood, and south of Sea-Tac Airport
- 55 mile system

North Link Overview



- 4.3 mile light rail extension
- Most of route in twin-bored tunnels
- Underground stations at U-District (Brooklyn) and Roosevelt
- New tunnel portal site at NE 94th St
- Elevated station at Northgate
- Adds 62,000 daily boardings (2030)
- Revenue service begins in 2021

Northgate Station and Portal Design Updates

- Northgate Station 15% design presented on May 17th
- Light rail tunnel route and portal refined
- Tunnel portal site shifted from NE 85th to NE 94th
- Elevated guideway design refined
- Northgate Station design is 30% complete

New Tunnel Portal Site at NE 94th St.

- Tunnels extended 1,900 feet north along I-5 within WSDOT and SDOT right-of-way



What is a Tunnel Portal?

- Opening where tunnels come to the surface
- Also site of tunneling operations during construction:
 - Tunnel boring machine(s) launched south to Roosevelt Station



NE 94th Street Tunnel Portal

Looking South



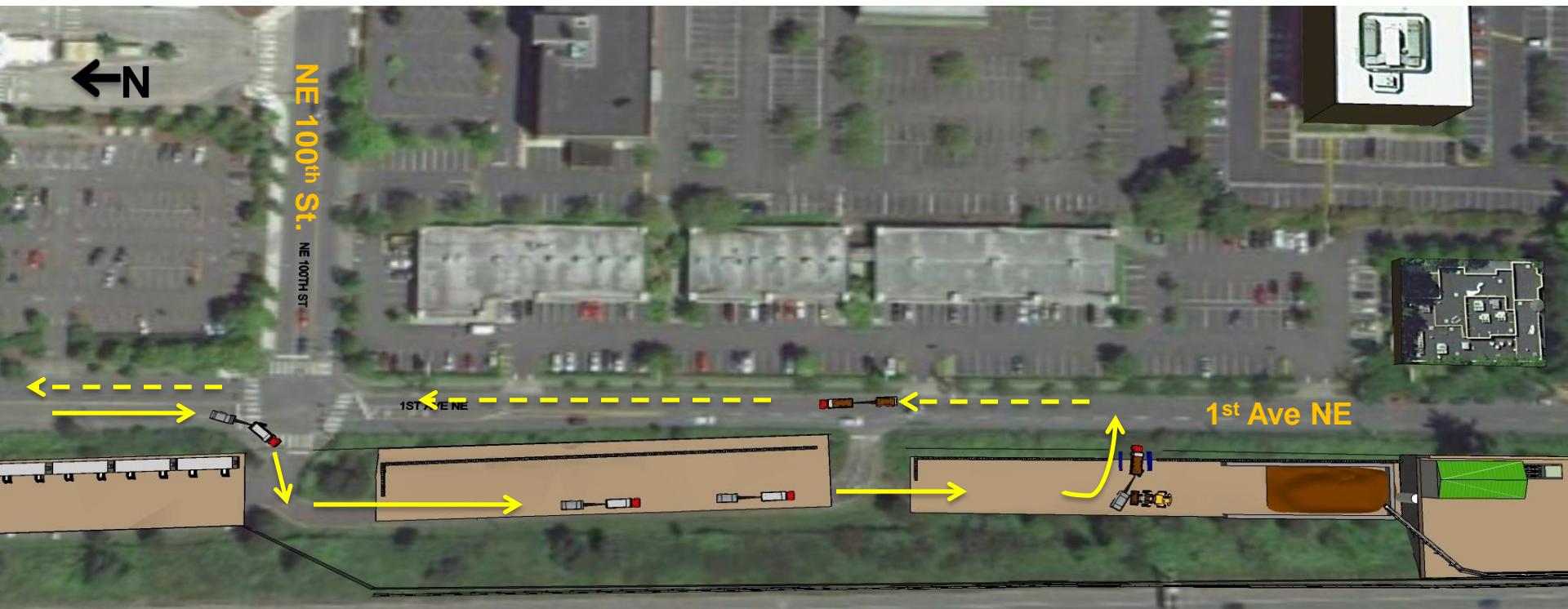
Tunnel Portal to Elevated Guideway Looking South



Tunnel Portal – Construction Staging Site

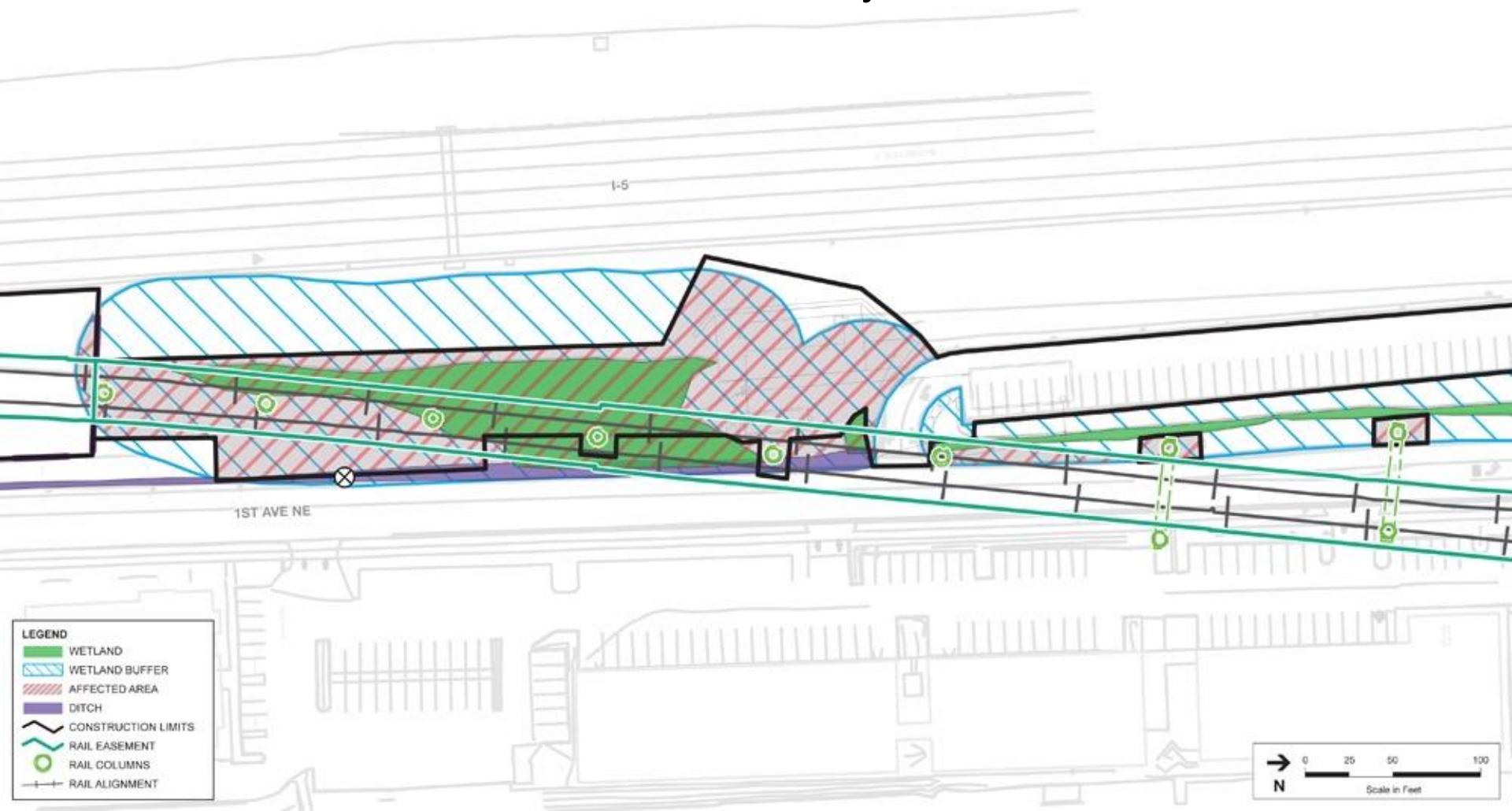


Tunnel Portal – Truck Hauling



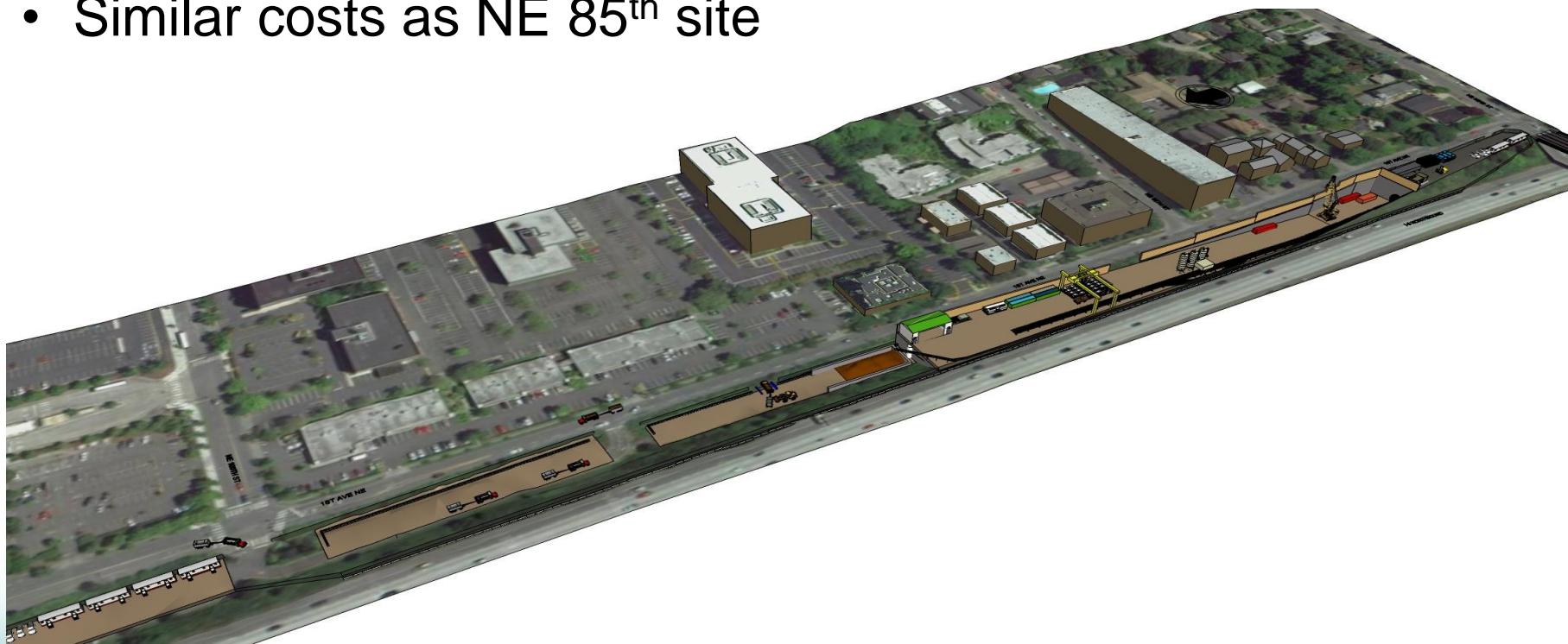
Affected Wetland Areas

Preliminary



Advantages of NE 94th Portal Site

- Improved tunneling construction staging site
- Avoids impacts to NE 85th area and NE 92nd St. bridge
- Similar impacts to wetland areas
- Fewer total community impacts
- Similar costs as NE 85th site





Northgate Station

Key features:

- Elevated station spans NE 103rd
- 25' - 45' high with escalators, elevators and stairs
- North entrance connects Mall
- South entrance connects to buses and park-and ride lots
- Bicycle parking
- 15,000 daily boardings (2030)

Northgate Station

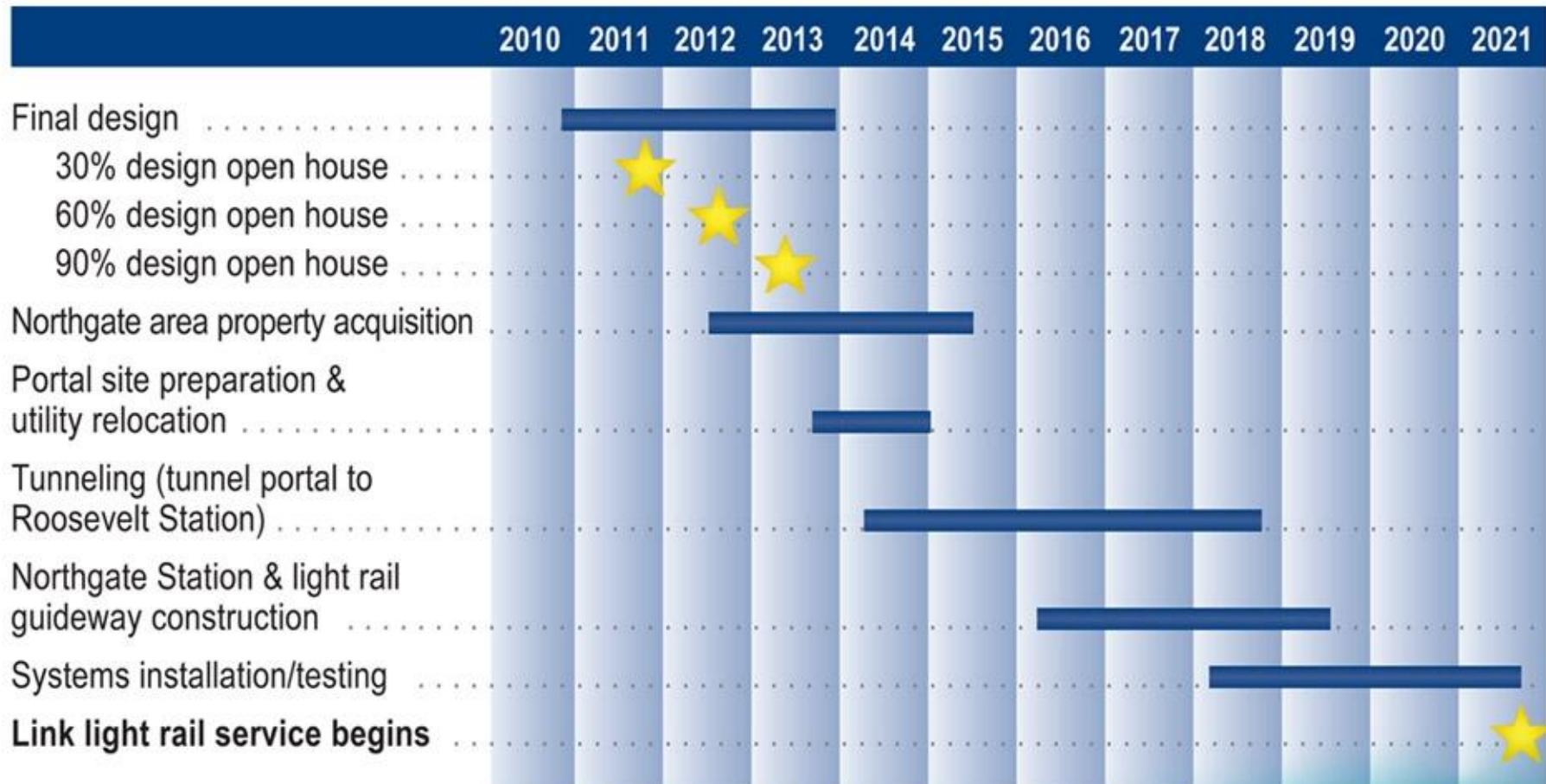
Current status:

- Team from ST, KCM and City working to address:
 - rail, bus integration
 - replacement parking
 - ped/bike connections
 - TOD coordination
- City and KCM leading HUD Sustainable Communities planning grant:
 - bike and pedestrian access
 - public meeting on Dec. 8

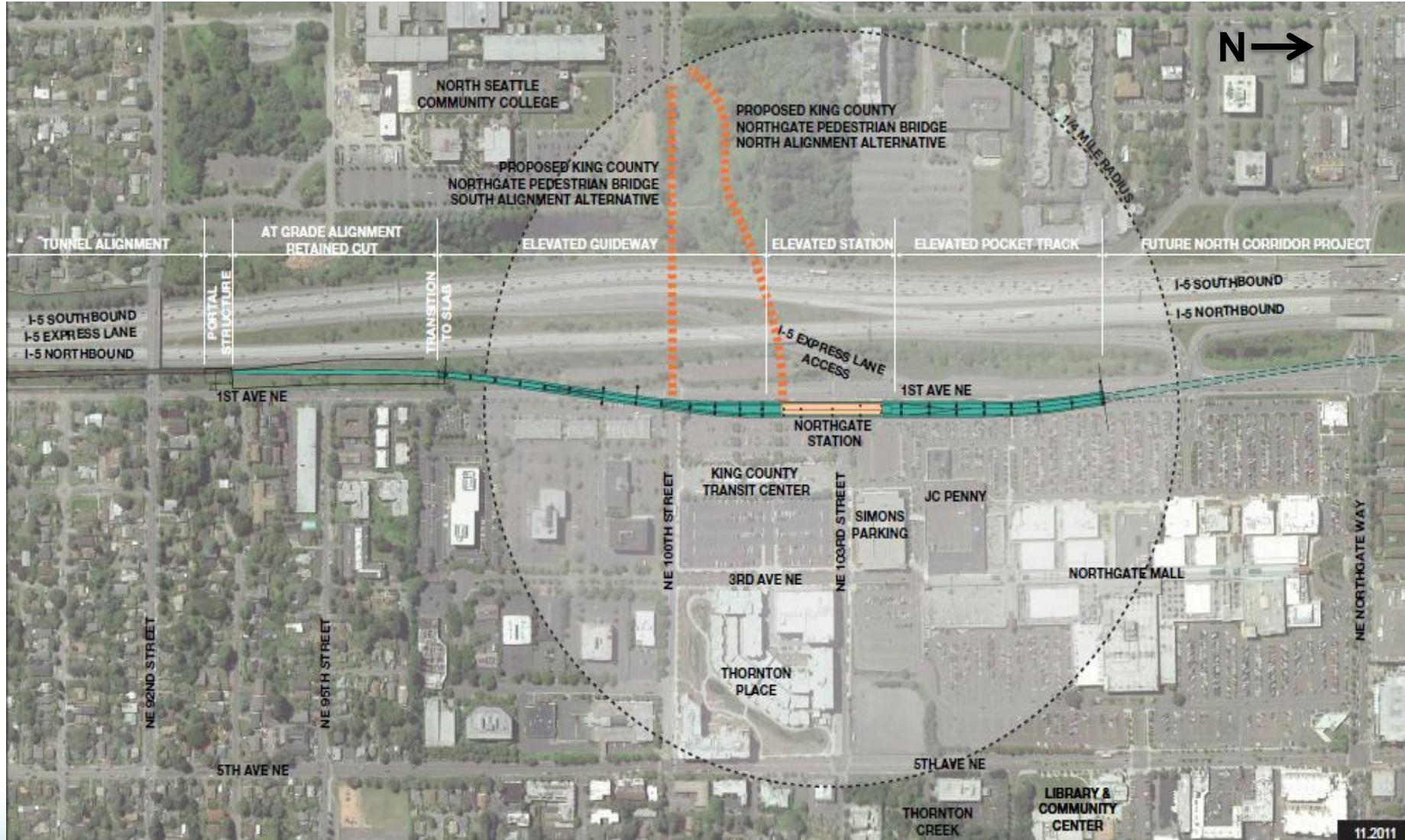


Northgate Project Schedule

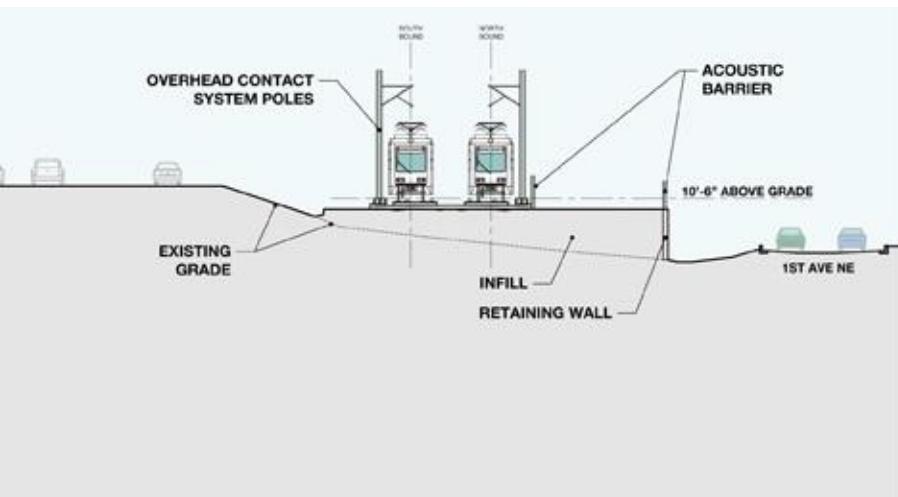
Draft



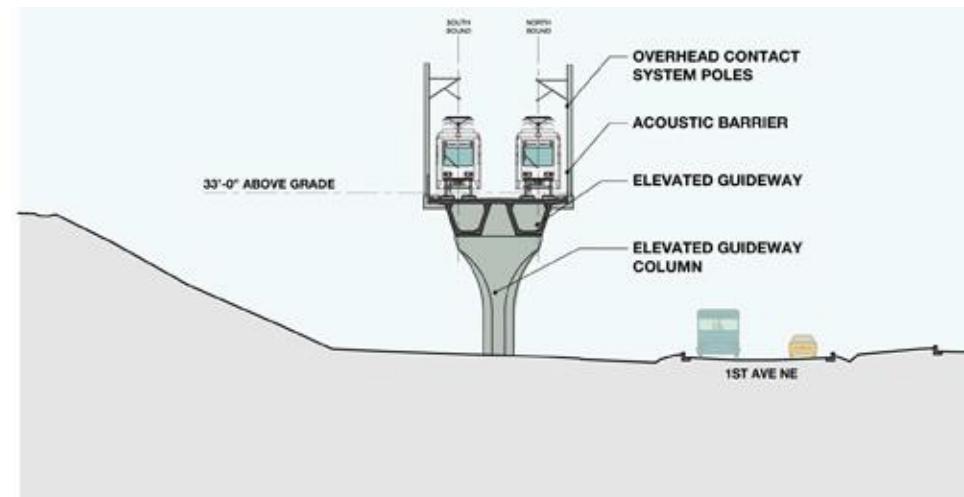
Elevated Guideway



Northgate Station – Guideway Sections 1



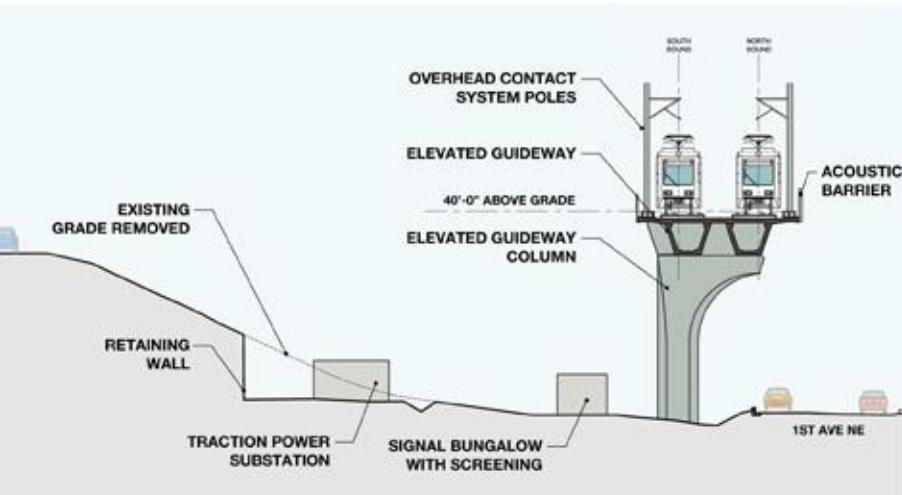
Guideway Cross Section AA



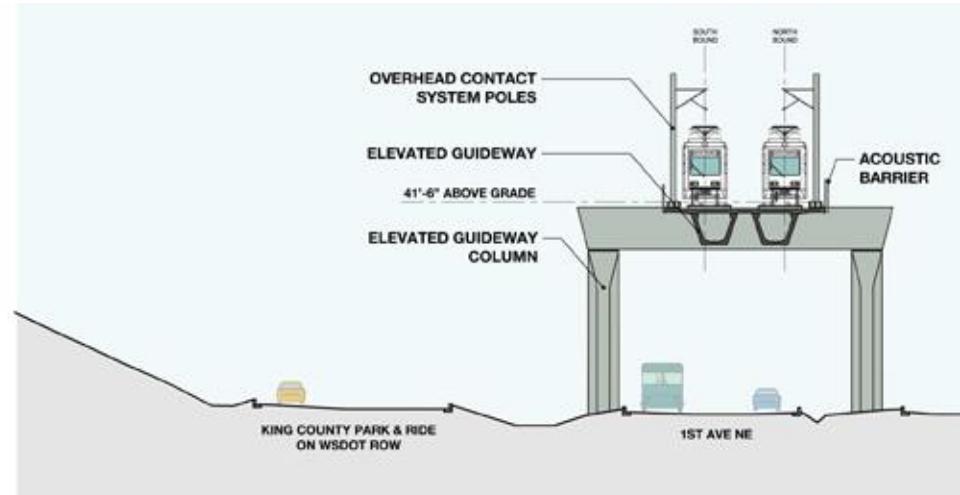
Guideway Cross Section BB



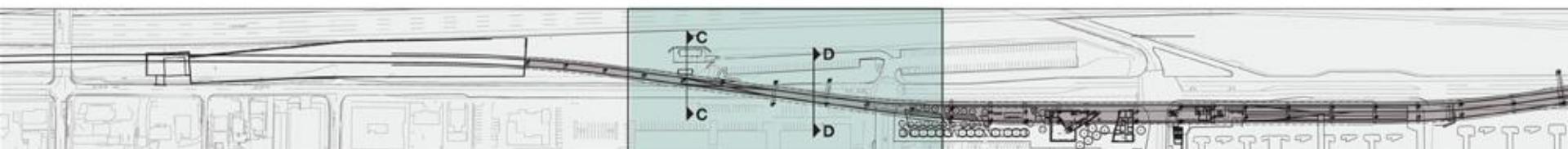
Northgate Station – Guideway Sections 2



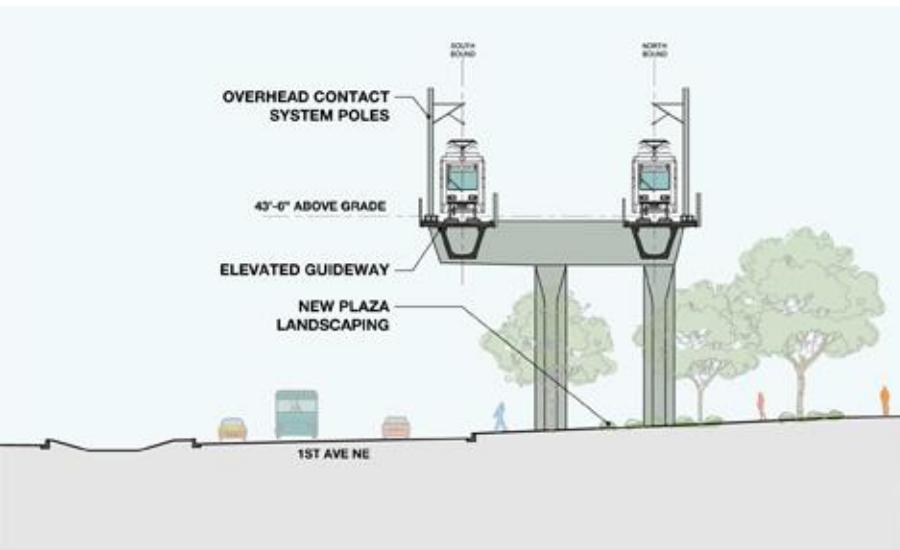
Guideway Cross Section CC



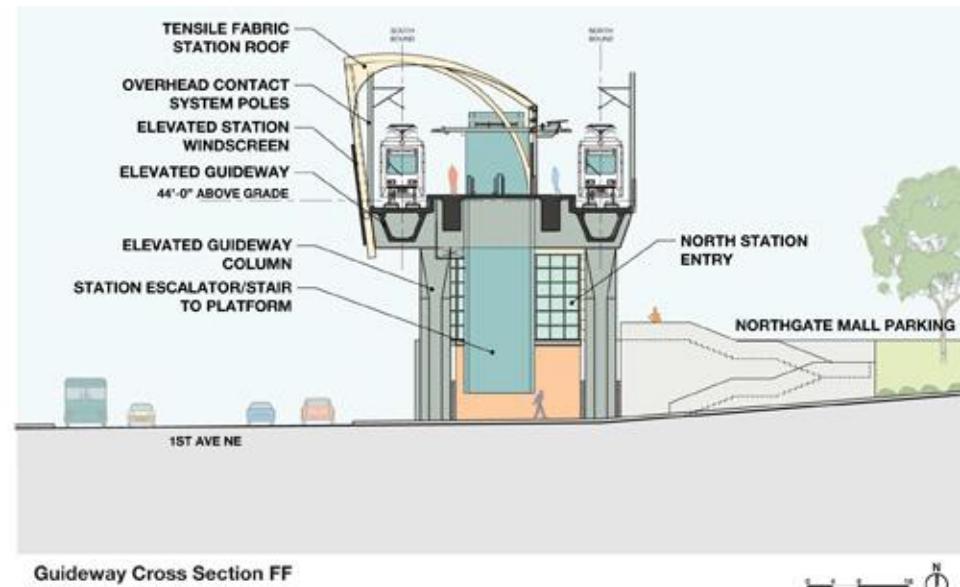
Guideway Cross Section DD



Northgate Station – Guideway Sections 3



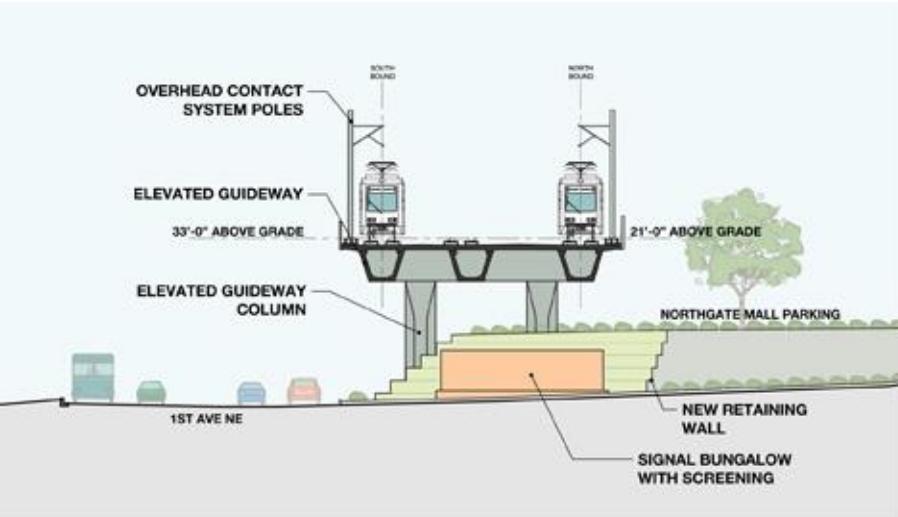
Guideway Cross Section EE



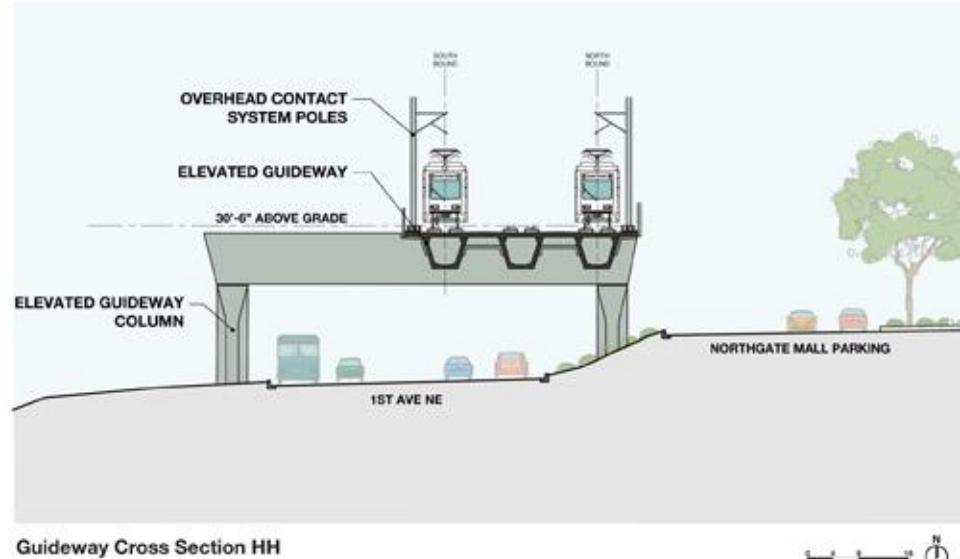
Guideway Cross Section FF



Northgate Station Guideway Sections 4



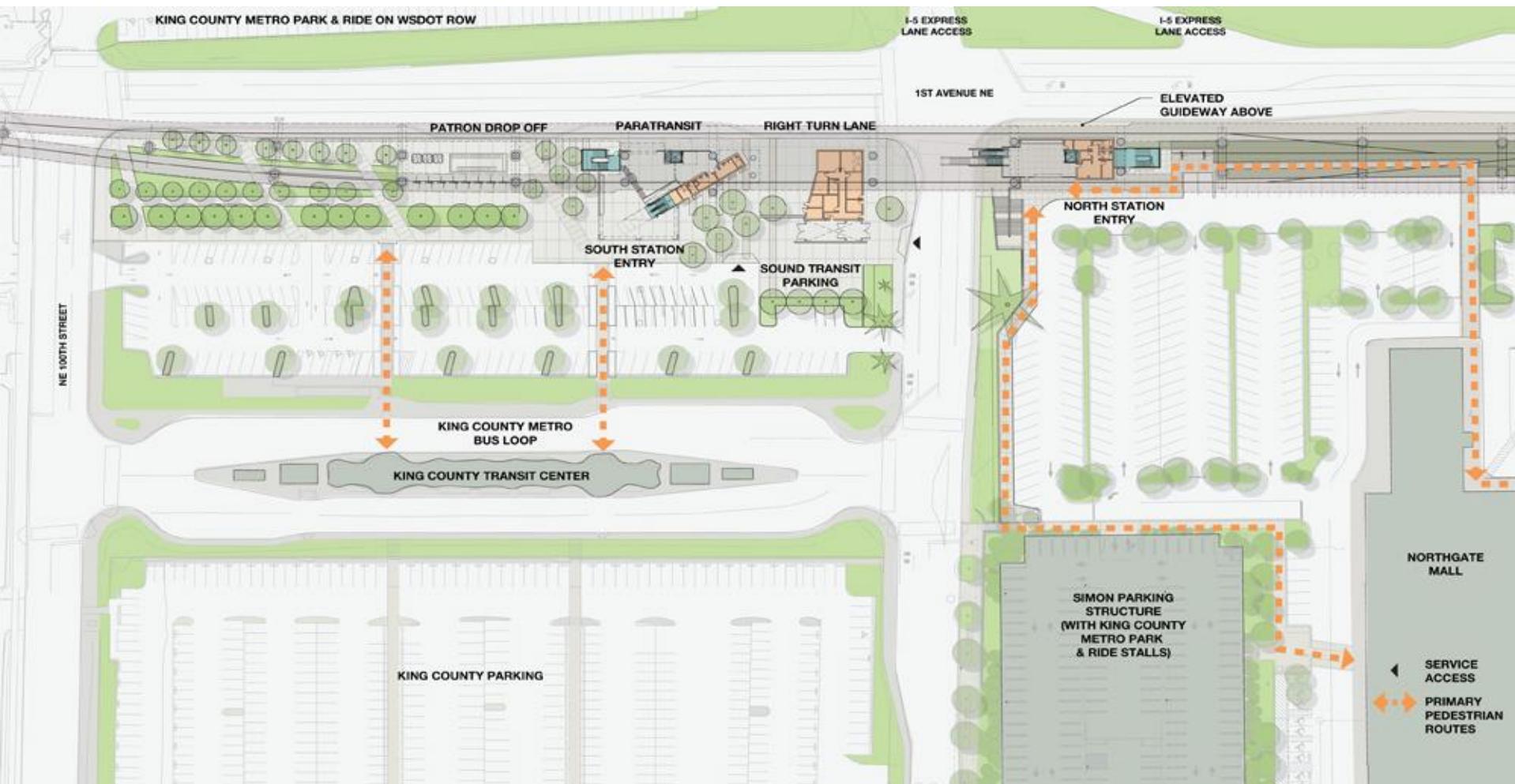
Guideway Cross Section GG



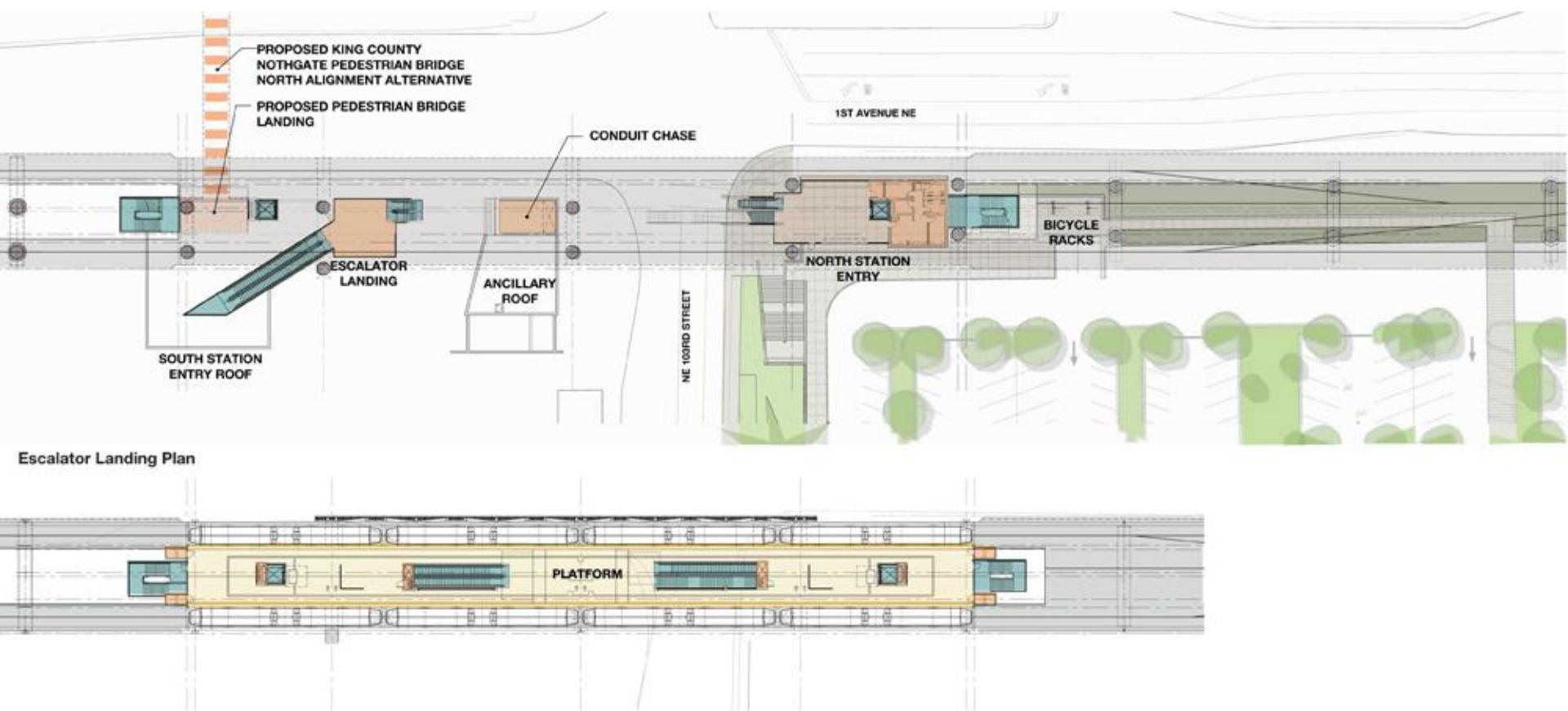
Guideway Cross Section HH



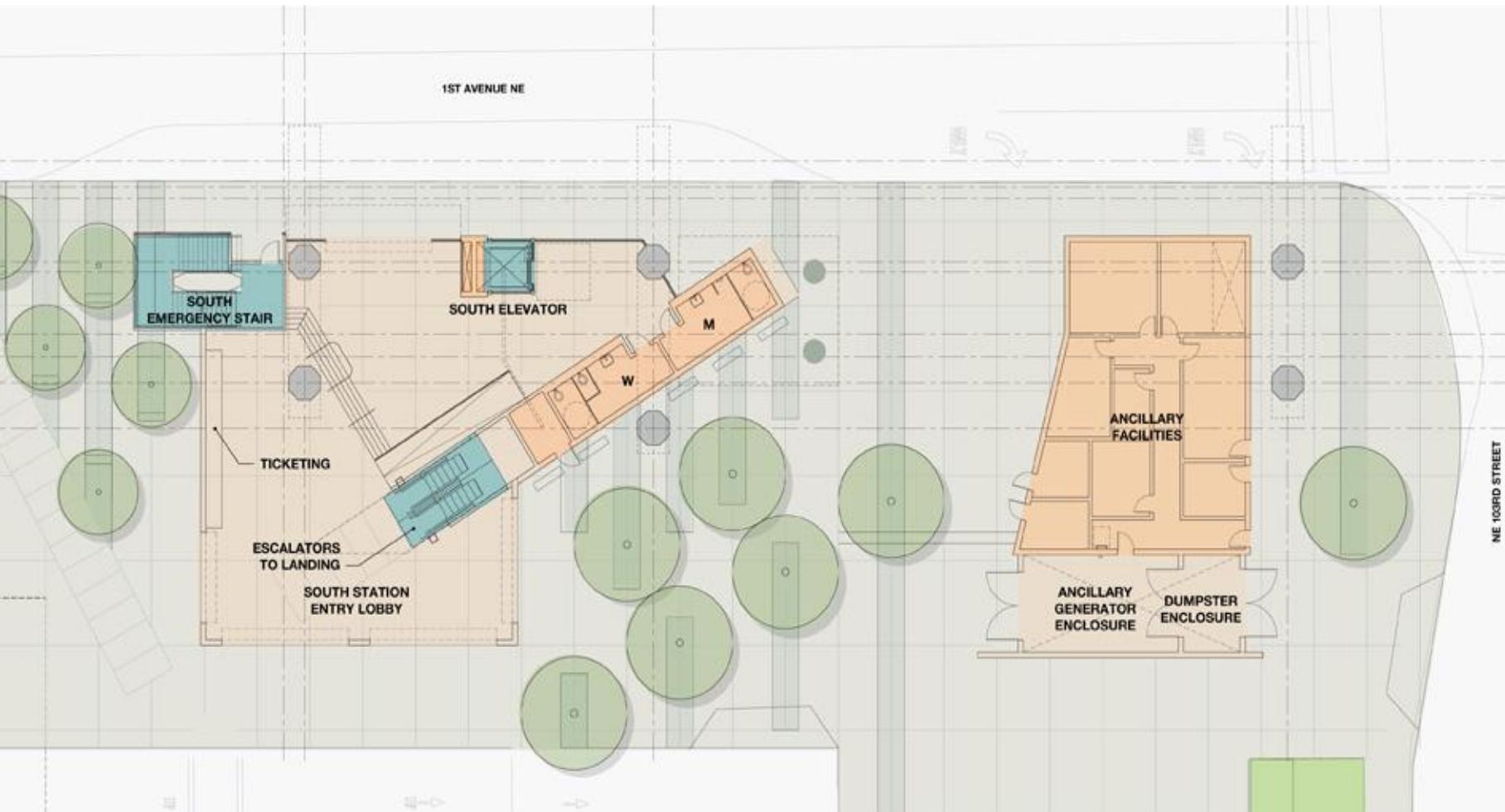
Northgate Station Station Area Connections



Northgate Station Platform Plan

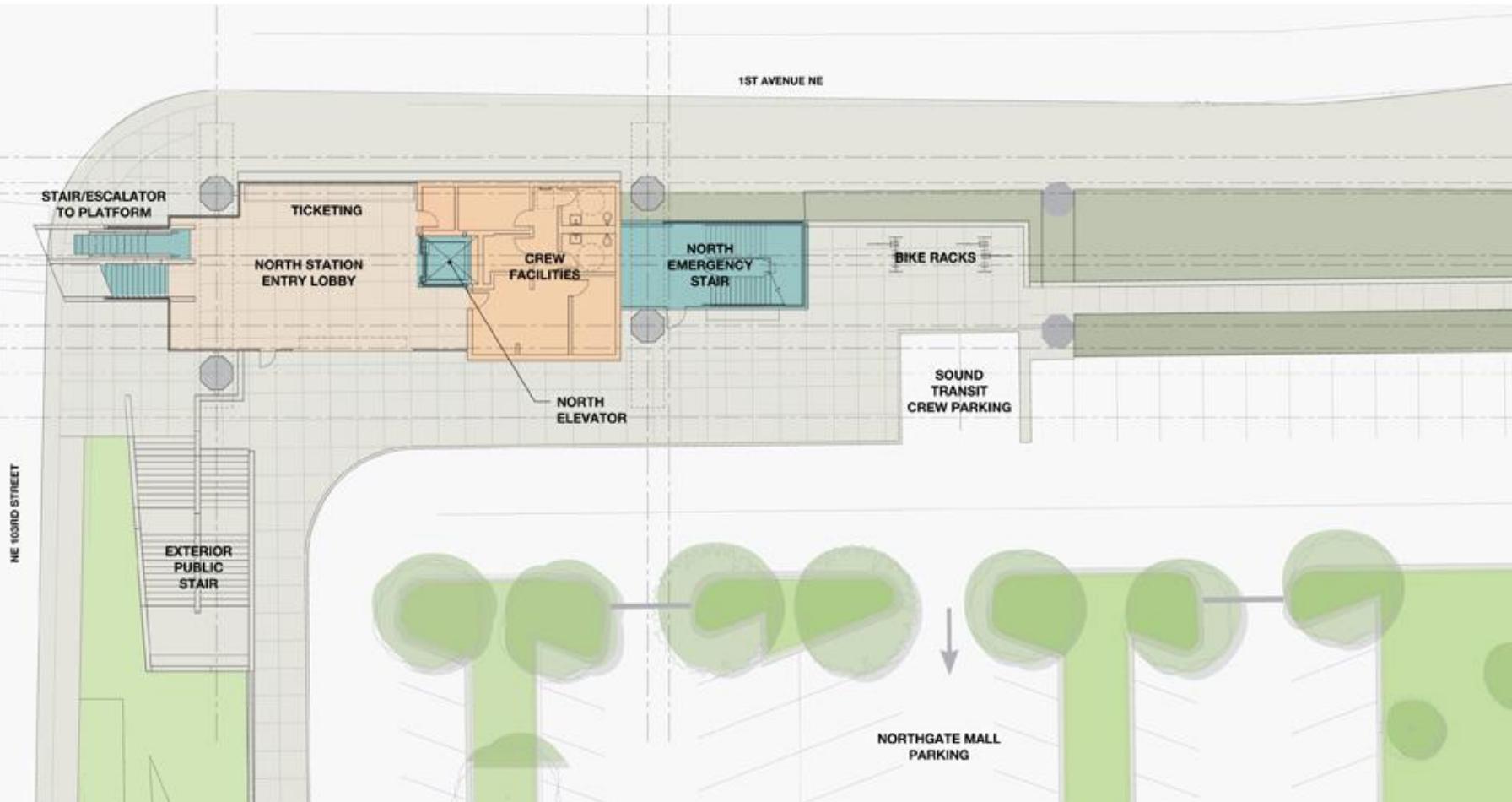


Northgate Station South Station Entry Plan

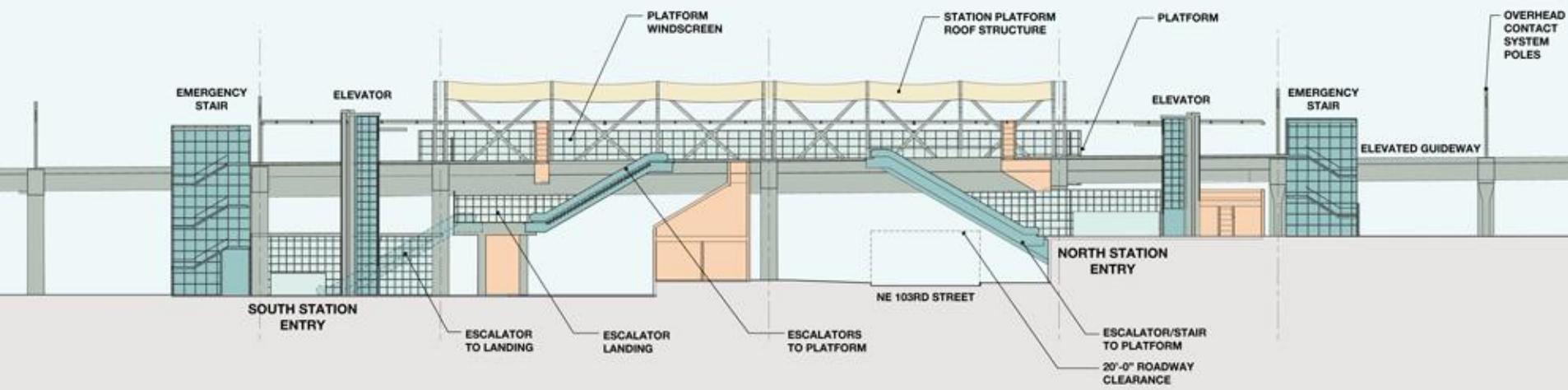


Northgate Station

North Station Entry Plan



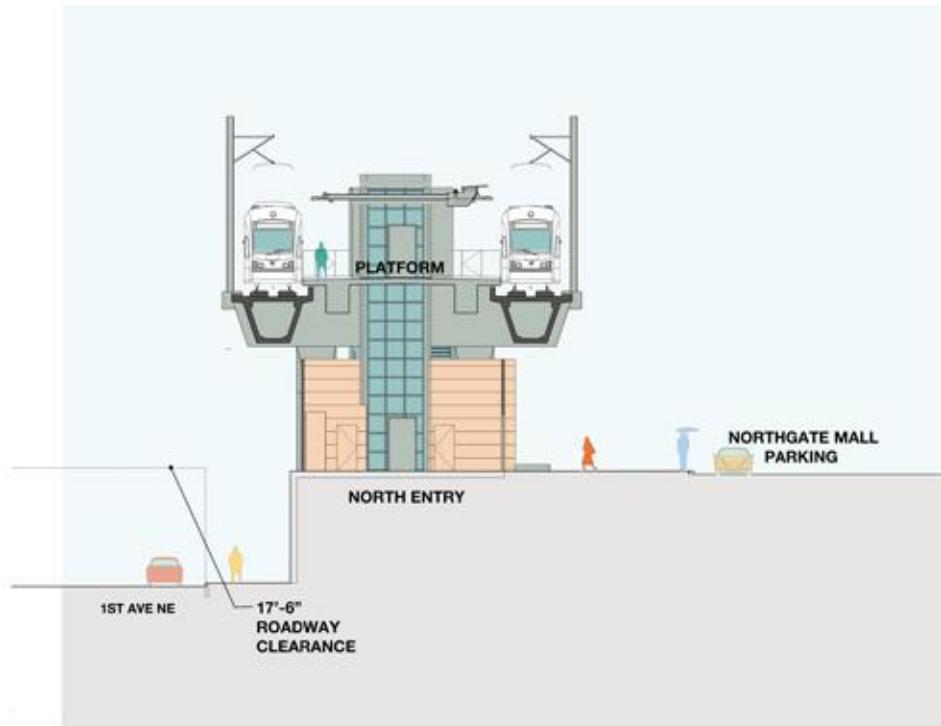
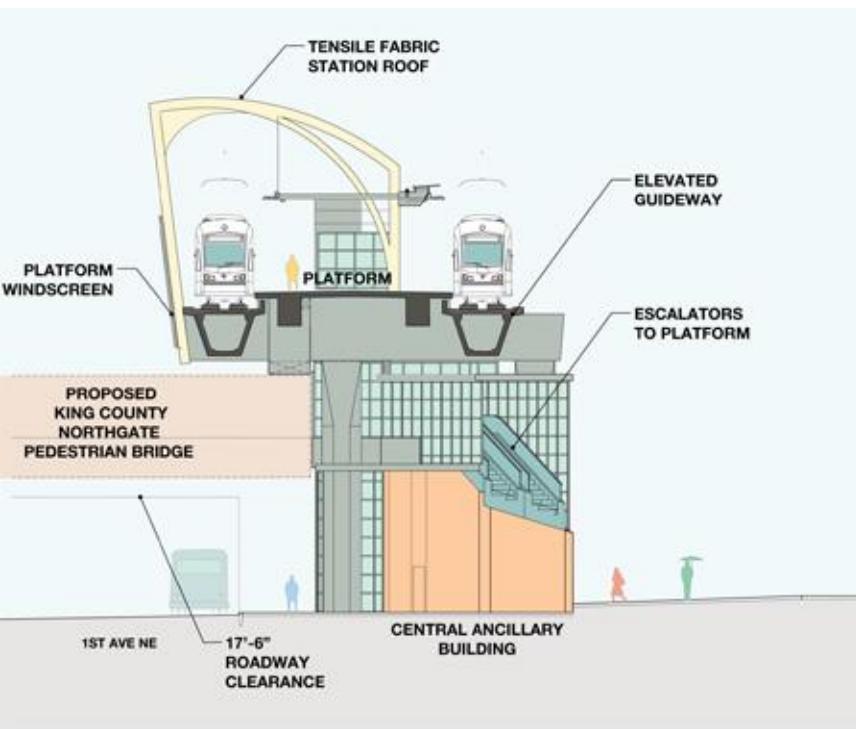
Northgate Station Station Section Plan



Longitudinal Section A – looking West

Northgate Station

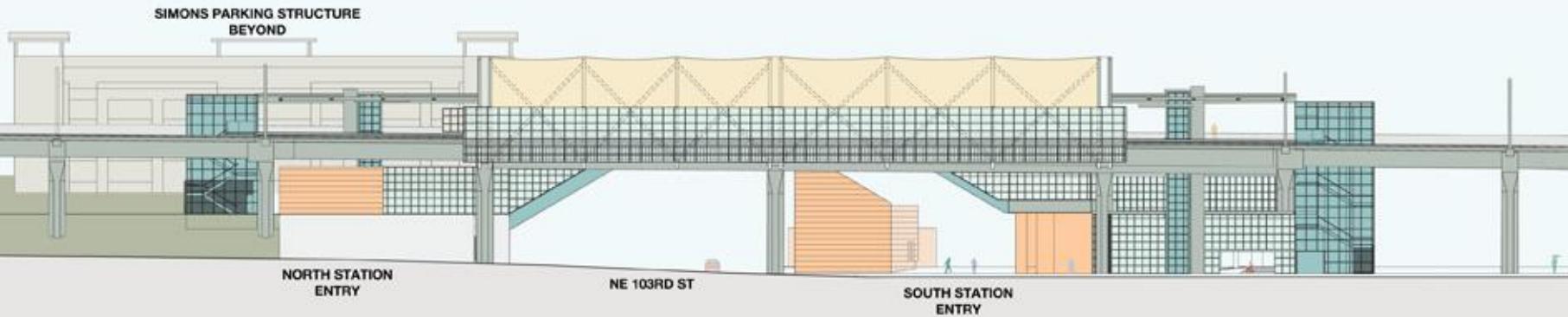
Station Section Plan



Northgate Station Station Elevation

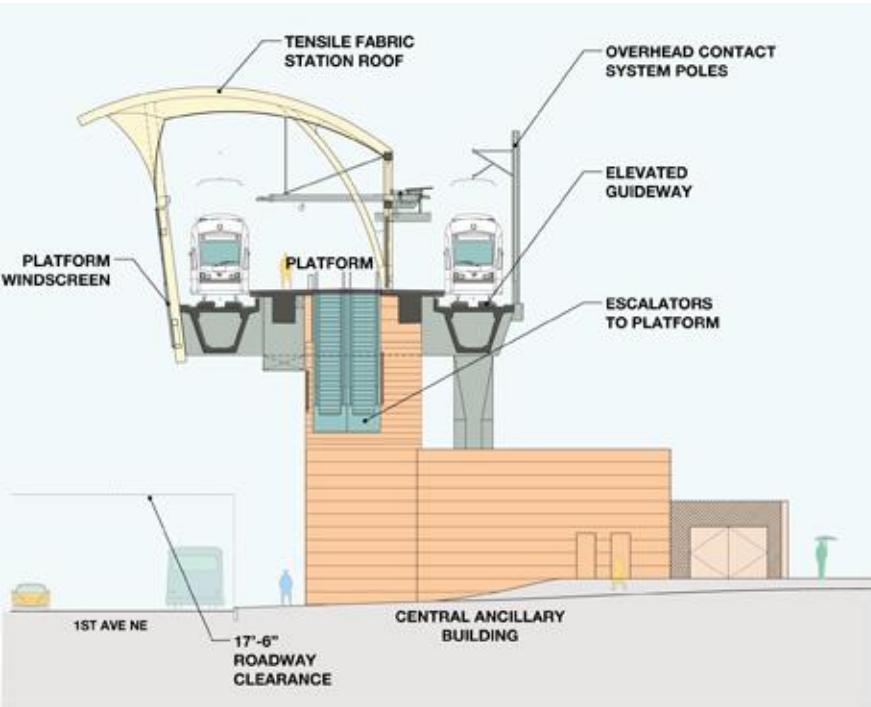


East Elevation

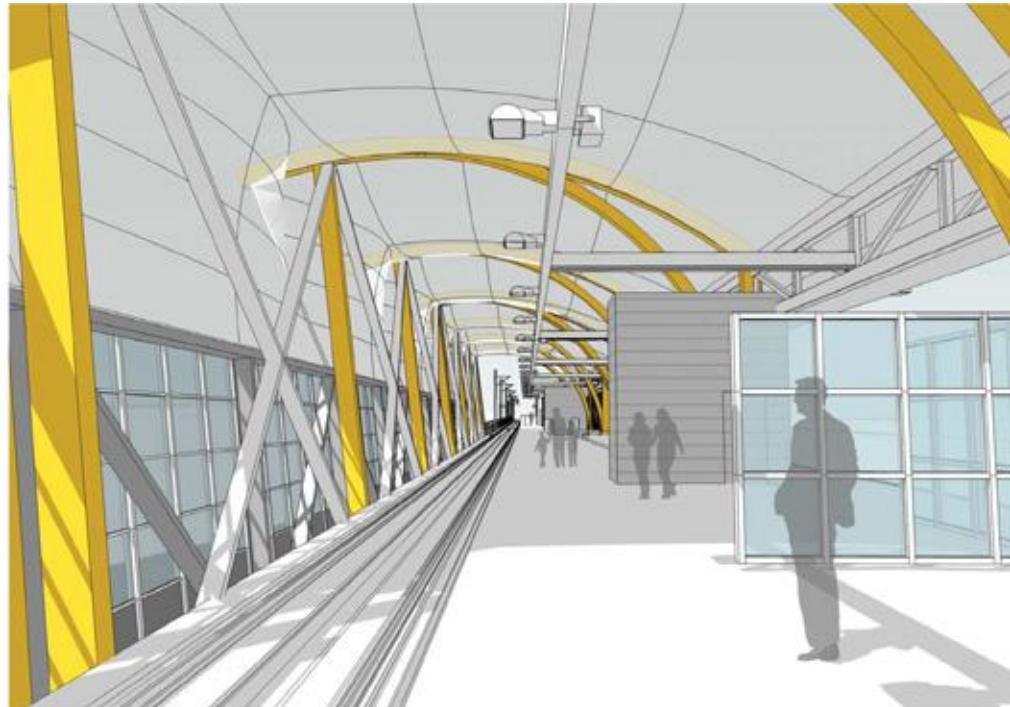


West Elevation

Northgate Station Roof Alternative 1

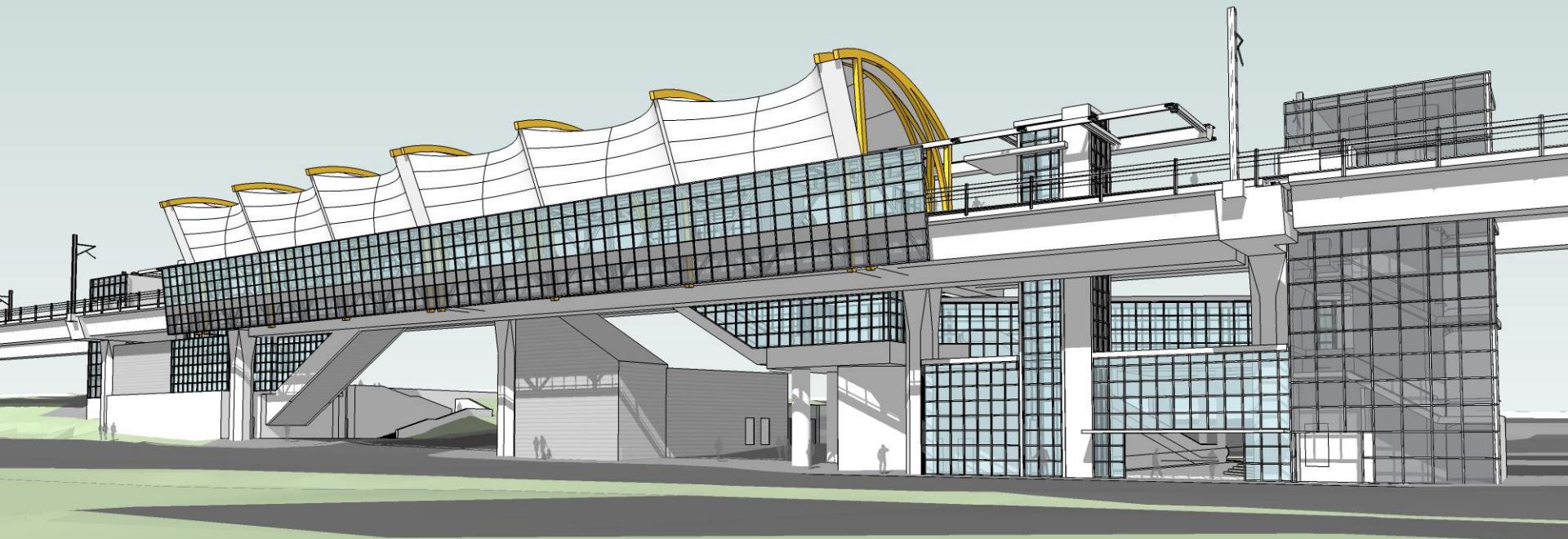


Cross Section B



Interior Perspective

Northgate Station Roof Alternative 1



Northgate Station Roof Alternative 1



Perspective View looking SE



Perspective View looking SW

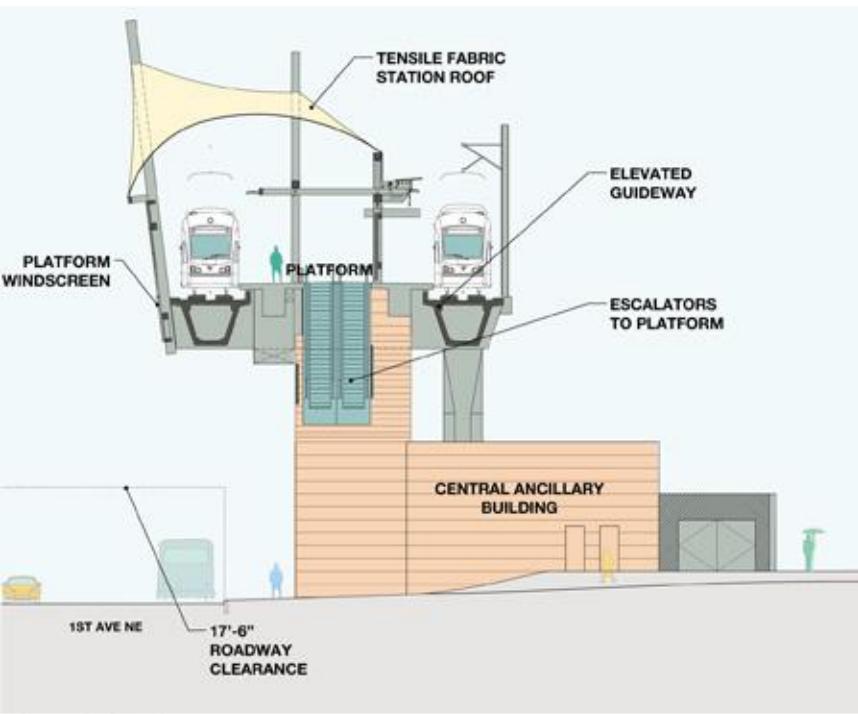


Perspective View looking NE

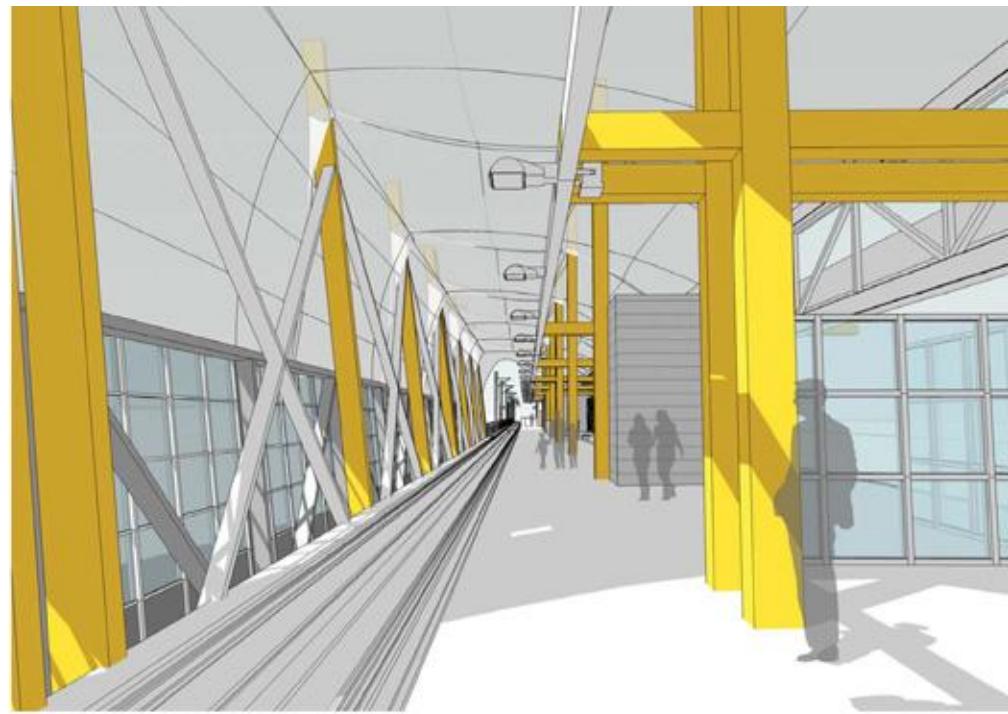


Perspective View looking NW

Northgate Station Roof Alternative 2

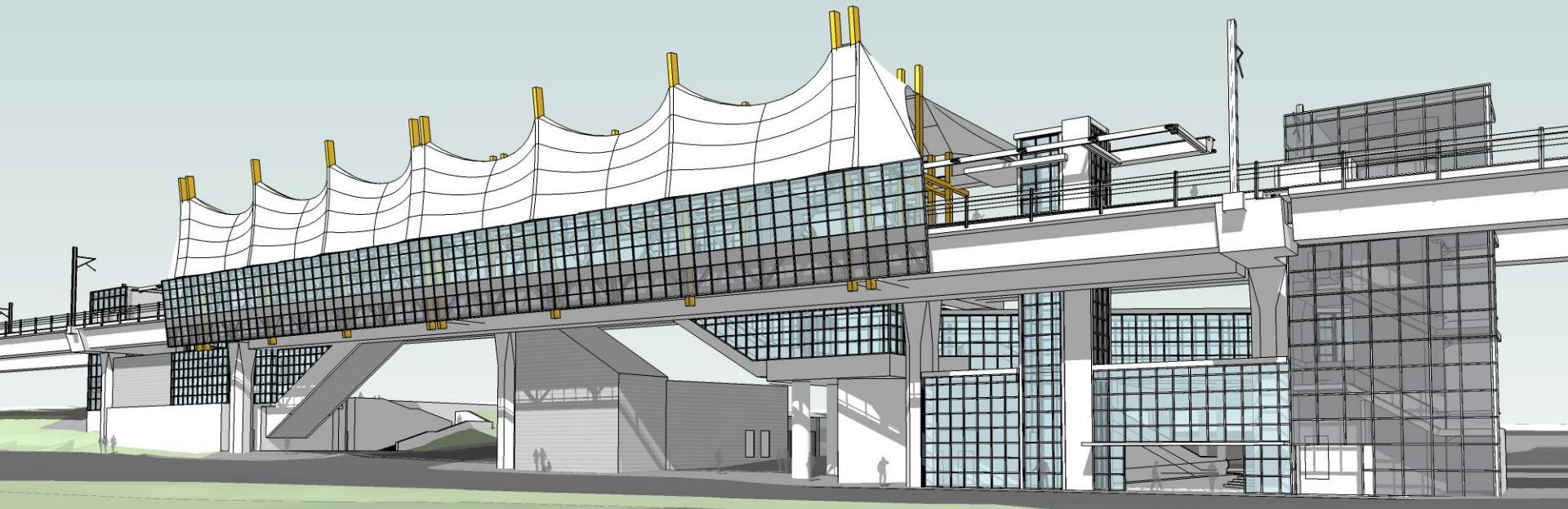


Cross Section B

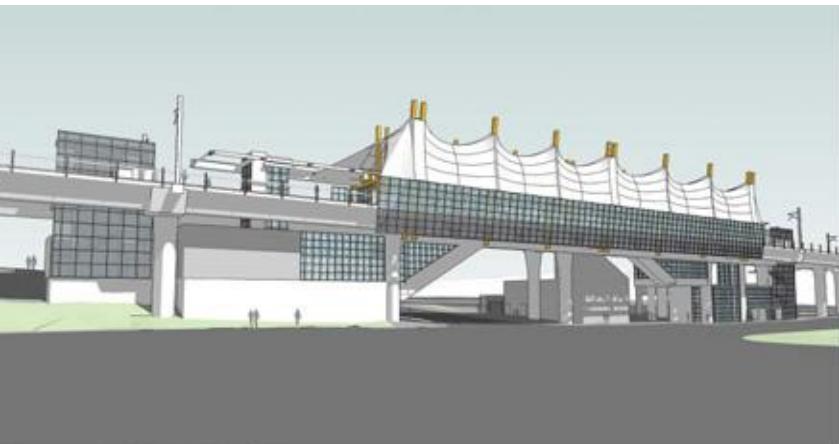


Interior Perspective

Northgate Station Roof Alternative 2



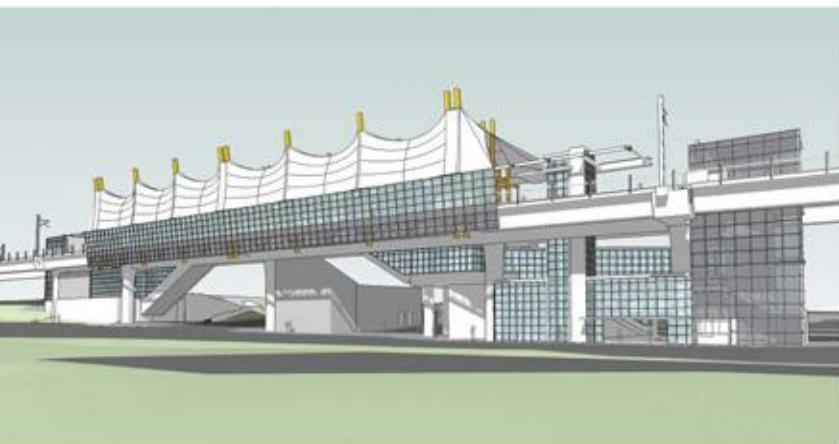
Northgate Station Roof Alternative 2



Perspective View looking SE



Perspective View looking SW



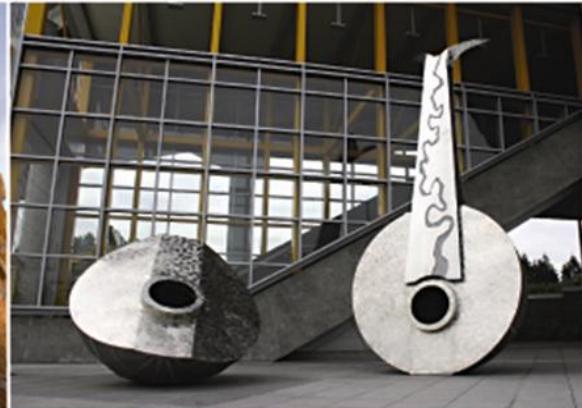
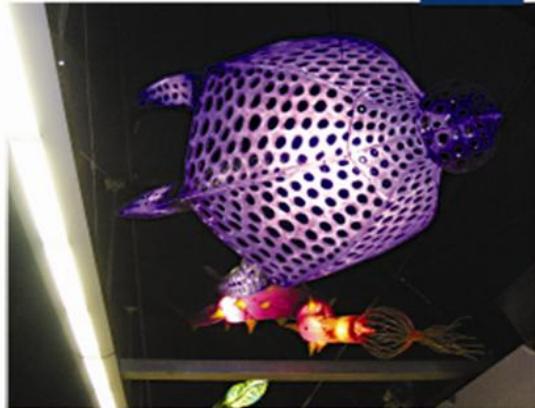
Perspective View looking NE



Perspective View looking NW

Sound Transit Art Program

Start on **LINK**



Next Steps

- Final Design
 - Artist selection – early 2012
 - Northgate Station and Portal construction open house – Spring 2012
 - Northgate Station 60% design – Summer 2012
- Continue agency coordination
 - King County Metro
 - City of Seattle
 - WSDOT
- Station Naming

Questions?



Get Involved & Stay Informed

- Attend final design open houses
 - ✓ Learn more about your neighborhood station's design including bike facilities, pedestrian and bus connections and public art
- Sign up to receive e-mail updates:
www.soundtransit.org/subscribe
- Sound Transit Web site:
www.soundtransit.org/northlink
- Contact Rhonda Dixon: 206-370-5569
northlink@soundtransit.org

